



NE-964

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6 mapped to said first address data; and  
7 converting the first address data with the detected  
8 address data.

6. An address converter for use in a gateway connected between first and second networks of different address formats, comprising:

- receive means for receiving, from said first network, a packet containing first address data conforming to said first network and second address data conforming to said second network, said first address data being contained in a packet header of the packet and said second address data being contained in an auxiliary header of the packet;
- control means for rewriting said first address data with said second address data; and
- transmit means for transmitting the packet to said second network.

1 7. The address converter of claim 6, wherein said  
2 auxiliary header further contains auxiliary information.

1 8. The address converter of claim 7, wherein the  
2 control means is arranged to eliminate, from said packet, a field  
3 in which said second address data is contained.

1           9. The address converter of claim 6, wherein said  
2 control means is arranged to write said first address data into  
3 said auxiliary header.

1           10. The address converter of claim 6, wherein said  
2 control means comprises a database and is arranged to:  
3           make a search through a received packet;

- 4 examine said database if said auxiliary header is not
- 5 contained in the received packet and detecting address data
- 6 mapped to said first address data; and
- 7 convert the first address data with the detected address
- 8 data.

*Add 3*

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